



United States Environmental Protection Agency Region IX

Superfund Technical Assessment and Response Team

Detailed Project Cost Estimate

Provided by Weston Solutions, Inc.



Project Summary and Description

ProjectName	Fruitland Magnesium Fire Incident ER		
Contract Task Order	EP-S5-13-02		
TDD Number	0002/1302-T2-R9-16-06-0001		
Site Address	3570 Fruitland Ave,	Site City	Maywood
Site State / Zip Code	CA 90270	Site County	Los Angeles
SSID / FPN	A9AP		
Option Period of Performance	9/19/2015 - 3/18/2017		
Statement of Work Issue Date	6/14/2016	Completion Date	9/30/2016
WESTON Project Manager	Ryan Green	EPA Task Monitor	Musante/Rogow

Scope of Work Description

EPA is requesting that START provide technical assistance for an emergency response at the site of an extinguished magnesium fire at a truck repair and sheet metal warehouse in Maywood, CA. At the request of the Task Monitors Michelle Rogow and Jason Musante, START project activities will include the following tasks:

- Assess site conditions, evaluate the emergency response actions, and provide this information to the OSC;
- Collect site video, photographic, and written (logbook) documentation of response activities;
- Perform real-time air monitoring and sampling;
- Collect multi-media samples as directed by the OSC;
- Procure additional off-site laboratory services for sample analysis of air and ash samples;
- Prepare re-occupancy letters for distribution to residents;
- Prepare a report that documents the response activities;
- Document and track all costs associated with emergency response activities for any response; activation in the Removal Cost Management System (RCMS).

The field support is estimated for a total of 5 days with three STARTS for 12 hours/day. Costs also assume metals analysis of 30 air samples for 24-hour TAT.

Technical Directive Document Modifications, Ceiling and Funding Summary

Modification Number	Issue Date	TDD Cost Estimate	Cumulative TDD Cost Estimate	Actual TDD Funding	Cumulative Actual TDD
Initial Action	6/14/2016	\$68,341	\$68,341	\$68,341	\$68,341
A	6/21/2016	\$312,196	\$380,537	\$80,940	\$149,281
B	6/21/2016	\$0	\$380,537	\$231,256	\$380,537
C		\$53,732	\$434,269		

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COST SUMMARY					
Task	Labor	Travel	Other Direct Costs		Total
			Internal	External	
Task 1. Project Management and Planning	\$2,395	\$0	\$0	\$0	\$2,395
1.1 Project Management and Planning	\$2,395	\$0	\$0	\$0	\$2,395
Task 2. Field Support	\$23,820	\$2,759	\$0	\$7,735	\$34,314
2.1 Field support	\$19,280	\$2,759	\$0	\$7,735	\$29,775
2.2 Laboratory procurement	\$760	\$0	\$0	\$0	\$760
2.3 Data Validation	\$2,137	\$0	\$0	\$0	\$2,137
2.4 GIS Support	\$1,642	\$0	\$0	\$0	\$1,642
Task 3. Reporting	\$17,024	\$0	\$0	\$0	\$17,024
3.1 Prepare Draft Report	\$8,025	\$0	\$0	\$0	\$8,025
3.2 Prepare Final Report	\$2,587	\$0	\$0	\$0	\$2,587
3.3 Prepare Re-Occupancy Letters	\$6,412	\$0	\$0	\$0	\$6,412
Amendment C Total:	\$43,238	\$2,759	\$0	\$7,735	\$53,732

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DIRECT LABOR ESTIMATE									
Task Description	Labor Category	Billing Rate		Field Hours	Non Field Hours	Field \$	Non Field \$	Total Effort Hours	Total Cost \$
		Field	Non-Field						
Task 1. Project Management and Planning				0	22	\$0		22	
1.1 Project Management and Planning	Scientist III	Ex. 4 - CBI		0	8	\$0		8	
1.1 Project Management and Planning	Engineer IV			0	4	\$0		4	
1.1 Project Management and Planning	Engineering Assistant III			0	10	\$0		10	
Task 2. Field Support				180	43	Ex. 4 - CBI	223	Ex. 4 - CBI	
2.1 Field support	Scientist III	120	0		120				
2.1 Field support	Engineer I	60	0		60				
2.2 Laboratory procurement	Scientist III	0	4	\$0	4				
2.2 Laboratory procurement	Engineering Assistant II	Ex. 4 - CBI		0	4	\$0	4		
2.3 Data Validation	Scientist III	0	20	\$0	20				
2.4 GIS Support	Systems Analyst II	0	15	\$0	15				
Task 3. Reporting				0	156	\$0	156		
3.1 Prepare Draft Report	Systems Analyst II	0	8	\$0	8				
3.1 Prepare Draft Report	Systems Analyst III	0	16	\$0	16				
3.1 Prepare Draft Report	Engineering Assistant III	0	8	\$0	8				

Task Description	Labor Category	Billing Rate		Field Hours	Non Field Hours	Field \$	Non Field \$	Total Effort Hours	Total Cost \$
		Field	Non-Field						
3.1 Prepare Draft Report	Engineer IV	Ex. 4 - CBI		0	8	\$0	Ex. 4 - CBI	8	Ex. 4 - CBI
3.1 Prepare Draft Report	Scientist III			0	32	\$0		32	
3.2 Prepare Final Report	Scientist III			0	16	\$0		16	
3.2 Prepare Final Report	Systems Analyst III			0	4	\$0		4	
3.2 Prepare Final Report	Engineering Assistant III			0	4	\$0		4	
3.3 Prepare Re-Occupancy Letters	Scientist III			0	60	\$0		60	
Amendment C Total:				180	221	Ex. 4 - CBI		401	\$ (Ex. 4 - CBI)

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EXTERNAL ESTIMATE					
Task Description	Description Item	Unit Price \$	Unit	G&A	Total Cost \$
				10.50%	
Task 2. Field Support					\$7,735
2.1 Field support	Shipping	Ex. 4 - CBI			\$276
2.1 Field support	Lab Analysis- Metals analysis for Air Samples				\$7,459
Amendment C Total:					\$7,735

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TRAVEL ESTIMATE					
Task Description	Description Item	Unit Price \$	Unit	G&A	Total Cost \$
				10.50%	
Task 2. Field Support					\$2,759
2.1 Field support	Local Transfers to/from Airport	Ex. 4 - CBI			\$111
2.1 Field support	Airfare				\$442
2.1 Field support	M&IE (75%)				\$106
2.1 Field support	M&IE (100%)				\$283
2.1 Field support	Fuel				\$99
2.1 Field support	Lodging Tax				\$199
2.1 Field support	Lodging				\$995
2.1 Field support	Rental SUV				\$525
Amendment C Total:					\$2,759